Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/30/2021 09:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/16/2021 09:10 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124063	-1	8.25	123874	8.31
Blue	F	SSC	125000	124002	-1	8.49	124494	8.57
Blue	E	FITC	14284	13709	-5	8.69 (1)	385	17.64
Blue	D	PE	23919	23303	-3	8.69	556	14.90
Blue	B	PerCP-Cy5-5	31332	30753	-2	9.05	885	19.70
Blue	A	PE-Cy7	22272	22378	0	11.51	463	37.64
Red	C	APC	47768	46836	-2	4.76	1624	13.26
Red	A	APC-Cy7	25313	24630	-3	5.97	696	14.27
Violet	B	V450	7085	6864	-4	7.99 (2)	484	14.39
Violet	A	V500	26969	26194	-3	7.85	901	11.60

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23749	8.19	608	19	N/A	N/A	Pass
Blue	F	SSC	53493	8.59	537	16	N/A	N/A	Pass
Blue	E	FITC	57	59.30	508	7	0.0292	44	Pass
Blue	D	PE	106	46.08	506	9	0.2574	264	Pass
Blue	B	PerCP-Cy5-5	132	48.35	599	11	0.0129	0	Pass
Blue	A	PE-Cy7	68	101.93	652	17	0.0158	5	Pass
Red	C	APC	331	29.43	584	4	0.0220	165	Pass
Red	A	APC-Cy7	125	38.17	559	4	0.0052	1101	Pass
Violet	B	V450	81	51.57	457	-6	0.0406	1908	Pass
Violet	A	V500	103	35.38	468	-6	0.0197	850	Pass

(1) Bright Bead %Robust CV for Primary Channel, Detector E, for Blue Laser is greater than recommended value.
(2) Bright Bead %Robust CV for Primary Channel, Detector B, for Violet Laser is greater than recommended value.

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.45	-31.23	1.17
Blue	20.36	16.28 - 24.42	1.30	1.02 - 1.52	0.00	0.00	1.43
Red	14.13	13.60 - 20.40	N/A	N/A	29.64	29.91	1.24

Window Extension: 7.00
FSC Area Scaling Factor: 0.92

Threshold

Threshold (FSC): 11638

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments